

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,719,976 B1
APPLICATION NO. : 09/142524
DATED : April 13, 2004
INVENTOR(S) : Toshio Sone et al.

Page 1 of 6

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page:

Item 56, References Cited, Other Publications, Left Column, 4th reference, Taniai *et al*, "Taniai, Madoka, Shunsaku, Ando, Mitsuko Usui, Masashi Kurimoto et al. (Nov. 1988) "N-terminal amino acid sequence of a major allergen of Japanese cedar pollen (Cry J 1)" 60 FEBS LETTERS 239(2):329-332."

should read

-- Taniai, Madoka, Shunsaku Ando, Mitsuko Usui, Masashi Kurimoto et al. (Nov. 1988) "N-terminal amino acid sequence of a major allergen of Japanese cedar pollen (Cry j 1)" FEBS LETTERS 239(2):329-332. --

Title page:

Item 56, References Cited, Other Publications, Right Column, 3rd reference, Matsunaga *et al*, "Matsunaga, Youchi, Toshiji Saibara, Hiroshi Kido, Nobuhiko Katunuma (Jan. 1993) "Participation of cathepsin B in processing of antigen presentation to MHC class II" FEBS LETTERS 324(3):325-330."

should read

--Matsunaga, Youchi, Toshiji Saibara, Hiroshi Kido, Nobuhiko Katunuma (Jan. 1993) "Participation of cathepsin B in processing of antigen presentation to MHC class II" FEBS LETTERS 324(3):325-330.--

Title page:

Item 57, Abstract, Line 5 "multi-epitope peptide can treat a wide"

should read

--multi-epitope peptide can prevent and treat a wide--

Column 1:

Line 49 "βchain"

should read

-- β-chain --

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 3:

Line 8 "77-36"

should read

--77-86--

Column 4:

Line 39 "for each, patient"

should read

--for each patient--

Column 4:

Line 60 "class I molecules"

should read

--class II molecules--

Column 5:

Line 8 "DPB1*10.501"

should read

--DPB1*0501--

Column 7:

Line 62 "(DRB1*140)"

should read

--(DRB1*1405)--

Column 8:

Line 10 "from BCGA antigen."

should read

--from BCGA antigen.--

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Column 8:

Line 54 "Brief Description of the Sequences" is missing and

should read

--Brief Description of the Sequences

SEQ ID NOs: 1-174 provide amino acid sequences for various peptides disclosed herein.

SEQ ID NOs: 15 through 174 are found in Figures 1, 2, 7, 15, 17, and 18.--

Column 9:

Line 63 "and Cry j 7"

should read

--and Cry j 2 --

Column 10:

Line 59 "are same"

should read

--are the same--

Column 11:

Line 13 "DQA10102/0301 --"

should read

--DQA1*0102/0301 --

Column 11:

Line 16 "DPB10501/0402;"

should read

--DPB1*0501/0402;--

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Column 11:

Line 31 "CD8³¹"

should read

--CD8--

Column 12:

Line 14 "Cry j2 p118-195"

should read

--Cry j2 p181-195--

Column 12:

Line 27 "mitomycin C of the"

should read

--mitomycin C or the --

Column 12:

Line 53 "Identifying the Type of T Cell Clone"

should read

--Identifying the Th Type of T Cell Clone--

Column 13:

Line 54 "C.A.#1. a-Arg-Arg-b-Arg-Arg-c-Arg-Arg-e-Arg-Arg"

should read

--C.A.#1. a-Arg-Arg-b-Arg-Arg-c-Arg-Arg-d-Arg-Arg-e --

Column 14:

Line 14 "4-methylumbelliferyl-, β -D-galacto-pyranoside/0.01 M"

should read

--4-methylumbelliferyl- β -D-galacto-pyranoside/0.01 M --

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Column 14:

Line 16 "NaN₃ and"

should read

--NaN₃ and--

Column 15:

Lines 38-39 "proliferation scintillation counter."

should read

--proliferation response (Fig. 10).--

Column 15:

Lines 40-43 "This paragraph is the same as the preceding paragraph."

should read

--This paragraph should not be repeated.--

Column 15:

Lines 40-43 "The peripheral lymphocytes from five out of six patients showed proliferation response to the multi-epitope peptide. The peripheral lymphocytes from one patient and two healthy subjects showed no proliferation response (FIG. 10)."

should read

--The proliferation response of peripheral lymphocytes began to occur with stimulation of 0.1µg/ml of the multi-epitope peptide and increased dose-dependently. Based on the results, the concentration of the multi-epitope peptide required for inducing T cell proliferation response in vitro is at least 10µg/ml.--

Column 16:

Line 45 "spleen cells (5x10⁶ cells) were cultured"

should read

--spleen cells were collected from three mice and mixed together. The spleen cells

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(5x10⁶ cells)--

Column 18:

Line 48 "N. Hei 8-15327), or "

should read

--No. Hei 8-153527), or--

Column 20:

Line 30, Claim 3 "A peptide-based immnnotherapy"

should read

-- A peptide-based immunotherapy --

Column 20:

Line 34, Claim 4 "carrier or diluent or diluent and"

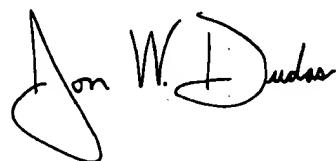
should read

--carrier or diluent and--

This certificate supersedes the Certificate of Correction issued September 18, 2007.

Signed and Sealed this

Ninth Day of December, 2008



JON W. DUDAS
Director of the United States Patent and Trademark Office